



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:  
John Abedor, et al )  
Serial No.: 09/441,003 )  
Filed: November 16, 1999 )  
For: ESTIMATING TAPE PACK  
RADIUS USING A KALMAN  
FILTER )

Examiner: Nguyen, John

Art Unit: 3653

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
August 28, 2001

"Express Mail" Mailing-Label Number: EL 705 604 912 US

Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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**SUPPLEMENTAL AMENDMENT**

This SUPPLEMENTAL AMENDMENT is filed as a supplement to the Amendment filed on July 12, 2001.

IN THE CLAIMS

Please cancel claim 3 without prejudice.

Please amend the claims as follows.



Honorable Commissioner of Patents and Trademarks  
Washington, DC 20231

**AMENDMENT TRANSMITTAL LETTER**

Sir:

Transmitted herewith for filing in the Patent Application of  
Inventor(s): John Abedor, et al  
For: ESTIMATING TAPE PACK RADIUS USING A  
KALMAN FILTER  
Serial No.: 09/441,003  
Filed: November 16, 1999

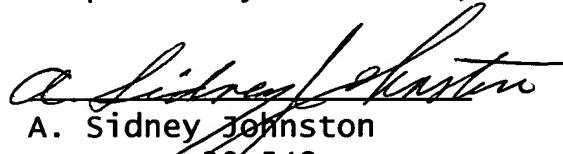
are the following papers:

- A supplement to our response dated July 12, 2001
- A petition for extension of time and check for \$
- A check for \$18 to cover the fee for additional claims resulting from the response. The fee is calculated as follows:

Total Claims Remaining after Amendment:.....	32
Less Highest Number of Total Claims Previously Paid for:.....	31
Difference.....	1 × \$ 18 = \$ 18
Independent Claims Remaining	
after Amendment.....	8
Less Highest Number of Independent Claims Previously Paid for.....	8
Difference.....	0 × \$ 80 = \$ 0
Multiple-Dependent-Claim Fee Required after Amendment and Not Previously Paid..... \$ 0	
Total of Above Calculations.....	\$ 18
Less Reduction for Small Entity .....	\$ 0
Total Due .....	\$ 18

The Commissioner is hereby authorized to charge any other fees under 37 C.F.R. §§1.16 and 1.17 that may be required, or credit any overpayment, to our Deposit Account No. 03-1237.

Respectfully submitted,

  
A. Sidney Johnston  
Reg. No. 29,548  
CESARI AND MCKENNA, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
(617) 951-2500

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PATENTS  
112008-0027C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: )  
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Examiner: Nguyen, John

Art Unit: 3653

Cesari and McKenna, LLP  
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EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 705 604 912 US

The following papers are being deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

Fee Transmittal Letter  
 Supplemental Amendment

Check for \$18  
 Amendment Transmittal

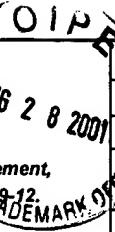
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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

**Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12, See 37 C.F.R. §§ 1.27 and 1.28.**



## Complete If Known

Application Number	09/441,003			
Filing Date	November 16, 1999			
First Named Inventor	John Abedor, et al			
Examiner Name	Nguyen, John			
Group / Art Unit	3653			
TOTAL AMOUNT OF PAYMENT	(\$)	18	Attorney Docket No.	112008-0027C1

### METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 03-1237

Deposit Account Name Cesari and McKenna, LLP

Charge Any Additional Fee  Charge the Issue Fee Set in Required Under 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance  
37 C.F.R. §§1.16 and 1.17

2.  Payment Enclosed:  
 Check  Money  Other Order

### FEE CALCULATION

#### 1. BASIC FILING FEE

##### Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355 Utility filing fee
106	320	206	160 Design filing fee
107	490	207	245 Plant filing fee
108	710	208	355 Reissue filing fee
114	150	214	75 Provisional filing fee
<b>SUBTOTAL (1) (\$)</b>			<b>0</b>

#### 2. EXTRA CLAIM FEES

Total Claims	32	-	31**	=	1	x	18	=	18
Independent Claims	8	-	8**	=	0	x	80	=	0
Multiple Dependent									0

\*\*or number previously paid, if greater; For Reissues, see below

##### Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203
102	80	202
104	270	204
109	80	209
110	18	210
<b>SUBTOTAL (2) (\$)</b>		

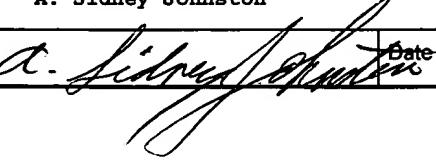
#### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65 Fee Surcharge - late filing fee or oath
127	50	227	25 Surcharge - late provisional filing fee or cover sheet
139	900	139	900 Non-English Specification
147	2,520	147	2,520 For filing a request for reexamination
112	920	112	920* Requesting publication of SIR prior to Examiner action
113	1,840	113	1,840* Requesting publication of SIR after Examiner action
115	110	215	55 Extension for reply within first month
116	390	216	195 Extension for reply within second month
117	890	217	445 Extension for reply within third month
118	1,390	218	695 Extension for reply within fourth month
128	1,890	128	945 Extension for reply within fifth month
119	310	219	155 Notice of Appeal
120	310	220	155 Filing a brief in support of an appeal
121	270	221	135 Request for oral hearing
138	1,510	138	1,510 Petition to institute a public use proceeding
140	110	240	55 Petition to revive - unavoidable
141	1,240	241	620 Petition to revive - unintentional
142	1,240	242	620 Utility issue fee (or reissue) SEP 04 2001
143	440	243	220 Design issue fee
144	600	244	300 Plant issue fee
122	130	122	130 Petitions to the Commissioner
123	50	123	50 Petitions related to provisional applications
126	180	126	180 Submission of Information Disclosure Stmt
581	40	581	40 Recording each patent assignment per property (times number of properties)
146	710	246	355 Filing a submission after final rejection (37 CFR 1.129(a))
149	710	249	355 For each additional invention to be examined (37 CFR 1.129(b))
<b>Other (specify)</b>			
<b>Other fee (specify)</b>			
<b>SUBTOTAL (3) (\$)</b>			<b>0</b>

\*Reduced by Basic Filing Fee Paid

### SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	A. Sidney Johnston			Reg. Number	29,548	
Signature				Date	August 28, 2001	Deposit Account User ID